

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20050084044").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/12 16:26
S4	7353	375/340 or 375/349 or 375/316	US-PGPUB; USPAT	OR	ON	2006/09/12 16:30
S5	25568	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/12 16:31
S6	18110	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/12 16:31
S7	3105	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/12 16:32
S8	44165	first same second same estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/12 16:33
S9	97	S5 same S6 same S7 same S8	US-PGPUB; USPAT	OR	ON	2006/09/12 16:44
S10	5	S4 and S9	US-PGPUB; USPAT	OR	ON	2006/09/12 16:42
S11	637	S5 and S6 and S7 and S8	US-PGPUB; USPAT	OR	ON	2006/09/12 16:45
S12	64	S4 and S11	US-PGPUB; USPAT	OR	ON	2006/09/13 12:33
S13	1	("20030198303").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/13 12:34
S14	1	("20040244044").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/13 12:52
S15	1	("2003/0198303").URPN.	USPAT	OR	ON	2006/09/13 12:39
S16	65738	receiv\$4 near "3" sognal\$3 near "3" maximum near likelihood	US-PGPUB; USPAT	OR	ON	2006/09/13 12:59
S17	25568	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/13 12:59
S18	18110	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/13 13:01
S19	3105	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/13 13:05
S20	7353	375/340 or 375/349 or 375/316	US-PGPUB; USPAT	OR	ON	2006/09/13 13:06
S22	38	S16 and S17 and S18 and S19 and S20	US-PGPUB; USPAT	OR	ON	2006/09/13 13:07
S23	11	("5263053" "5506861" "5537443" "5583886" "5619503" "5640432" "5727032" "5790606" "5818876" "5889827" "6148431").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:14

EAST Search History

S24	4	("20020198914" "5867539" "6122332" "6470047").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:22
S25	39	("3921076" "4169245" "4740792" "5155590" "5191342" "5208756" "5251232" "5265121" "5311173" "5327144" "5402347" "5428667" "5469409" "5499031" "5500648" "5512908" "5526357" "5553101" "5570099" "5577087" "5606575" "5608410" "5668837" "5786790" "5812522" "5812609" "5844522" "5859612" "5874916" "5890068" "5936571" "6014102" "6034635" "6047192" "6148211" "6236365" "6249252" "6603428" "RE31254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:24
S26	2	("6873290").URPN.	USPAT	OR	ON	2006/09/13 13:26
S27	4	("5414734" "5717619" "5799011" "6002716").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:26
S28	1	("6519465").URPN.	USPAT	OR	ON	2006/09/13 13:28
S29	8	("4931977" "5450615" "6119009" "6175811" "6414634" "6519465" "6614859" "6678525").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:28
S30	8	("4931977" "5450615" "6119009" "6175811" "6414634" "6519465" "6614859" "6678525").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:29
S31	4	("5218359" "5227803" "5432821" "6101399").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:29
S32	4	("5218359" "5227803" "5432821" "6101399").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:30
S33	28	("3921076" "4169245" "4899117" "5155590" "5191342" "5251232" "5327144" "5402347" "5428667" "5512908" "5526357" "5553101" "5570099" "5577087" "5606575" "5608410" "5623414" "5668837" "5786790" "5812609" "5844522" "5861842" "5874916" "5890068" "5936571" "5973643" "6014102" "RE31254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:32

EAST Search History

S34	13	("6304618").URPN.	USPAT	OR	ON	2006/09/13 13:33
S35	24	("3921076" "4169245" "5155590" "5191342" "5251232" "5327144" "5402347" "5428667" "5512908" "5526357" "5553101" "5570099" "5577087" "5606575" "5608410" "5668837" "5786790" "5812609" "5844522" "5874916" "5890068" "5939571" "6014102" "Re31254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:34
S36	8	("6266013").URPN.	USPAT	OR	ON	2006/09/13 13:35
S37	6	("5202903" "5390215" "5566209" "5615409" "5896424" "5937015").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:36
S38	10	("5151926" "5272446" "5412695" "5440265" "5640431" "5732339" "5748682" "5802117" "5960044" "5974087").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:37
S39	9	("5105435" "5136612" "5151919" "5218619" "5341395" "5363403" "5394434" "5463660" "5467368").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 13:39
S40	33	("5579304").URPN.	USPAT	OR	ON	2006/09/13 13:39
S41	33	("5579304").URPN.	USPAT	OR	ON	2006/09/13 13:46
S42	20	("4530087" "4710944" "5151919" "5203018" "5260968" "5289499" "5442625" "5448602" "5469465" "5481570" "5579304" "5787122" "5796775" "5831977" "5832044" "5889826" "5960039" "6058105" "6097771" "6115427").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 14:38
S43	21	("6317466").URPN.	USPAT	OR	ON	2006/09/13 14:43
S44	20	("4530087" "4710944" "5151919" "5203018" "5260968" "5289499" "5442625" "5448602" "5469465" "5481570" "5579304" "5787122" "5796775" "5831977" "5832044" "5889826" "5960039" "6058105" "6097771" "6115427").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 14:49
S45	1	("6614859").URPN.	USPAT	OR	ON	2006/09/13 14:51
S46	1	("6614859").URPN.	USPAT	OR	ON	2006/09/13 14:51
S47	22	("6002716").URPN.	USPAT	OR	ON	2006/09/13 14:51

EAST Search History

S48	10	("4791665" "4811360" "5199047" "5452351" "5475710" "5479444" "5519727" "5533066" "5539815" "5648991").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 14:54
S49	44	("5537443").URPN.	USPAT	OR	ON	2006/09/13 14:55
S50	25	("3921076" "4169245" "5155590" "5191342" "5251232" "5327144" "5402347" "5428667" "5487185" "5512908" "5526357" "5553101" "5570099" "5577087" "5606575" "5608410" "5668837" "5786790" "5812609" "5844522" "5874916" "5890068" "5936571" "6014102" "RE31254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 14:57
S51	1	("6519465").URPN.	USPAT	OR	ON	2006/09/13 14:59
S52	5	("5331662" "6304995" "6459728" "6662337" "6665357").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 14:59
S53	3	("5862156" "5862192" "5982761").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:01
S54	3	("6314131").URPN.	USPAT	OR	ON	2006/09/13 15:02
S55	11	("5263053" "5506861" "5537443" "5583886" "5619503" "5640432" "5727032" "5790606" "5818876" "5889827" "6148431").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:02
S56	13	("6304618").URPN.	USPAT	OR	ON	2006/09/13 15:03
S57	39	("3921076" "4169245" "4740792" "5155590" "5191342" "5208756" "5251232" "5265121" "5311173" "5327144" "5402347" "5428667" "5469409" "5499031" "5500648" "5512908" "5526357" "5553101" "5570099" "5577087" "5606575" "5608410" "5668837" "5786790" "5812522" "5812609" "5844522" "5859612" "5874916" "5890068" "5936571" "6014102" "6034635" "6047192" "6148211" "6236365" "6249252" "6603428" "RE31254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:03
S58	6	("6137843" "6263029" "6320919" "6366624" "6483821" "6674740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:05

EAST Search History

S61	6	("6137843" "6263029" "6320919" "6366624" "6483821" "6674740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:08
S62	4	("5127051" "5715279" "5822368" "5918161").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:08
S63	40	("3921076" "4169245" "4740792" "5155590" "5191342" "5208756" "5251232" "5265121" "5311173" "5327144" "5402347" "5428667" "5469409" "5499031" "5500648" "5512908" "5526357" "5553101" "5570099" "5577087" "5606575" "5608410" "5668837" "5786790" "5812522" "5812609" "5844522" "5859612" "5874916" "5890068" "5926763" "5936571" "6014102" "6034635" "6047192" "6148211" "6236365" "6249252" "6603428" "RE31254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:10
S64	4	("5732113" "6021110" "6487252" "6654429").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:11
S65	6	("5031195" "5218619" "5852630" "6012161" "6161209" "6671338").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 15:12
S66	0	("7106813").URPN.	USPAT	OR	ON	2006/09/13 15:12
S67	0	(375/341or375/224or375/259or375/262).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/13 15:14
S68	6707	375/341 or 375/224 or 375/259 or 375/262	US-PGPUB; USPAT	OR	ON	2006/09/13 15:15
S69	2089	S20 and S68	US-PGPUB; USPAT	OR	ON	2006/09/13 15:15
S70	10	S22 and S69	US-PGPUB; USPAT	OR	ON	2006/09/13 15:17
S71	2117	S22 or S69	US-PGPUB; USPAT	OR	ON	2006/09/13 15:17
S72	1597	(375/340).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/13 16:19
S73	4732	375/340 or 375/349	US-PGPUB; USPAT	OR	ON	2006/09/13 16:42
S74	1601	(375/340).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/14 08:24
S75	1	"20010022820"	US-PGPUB; USPAT	OR	ON	2006/09/15 13:16

EAST Search History

S76	9	("6459728").URPN.	USPAT	OR	ON	2006/09/15 13:41
S77	7	("20010004390" "20020150037" "5509020" "6377607" "6459728" "6614857" "6768713").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/15 13:50
S78	5	("6768713").URPN.	USPAT	OR	ON	2006/09/15 13:55
S79	11	("5548582" "5687165" "5982327" "6061327" "6188717" "6327314" "6400776" "6452981" "6456654" "6473393" "6628638").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/15 13:56
S80	11	("6473393").URPN.	USPAT	OR	ON	2006/09/15 14:02
S81	4	("5528581" "5774450" "5867478" "6052594").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/15 14:07
S82	7358	375/340 or 375/349 or 375/316	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S83	25629	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S84	18148	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S85	3108	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S86	44275	first same second same estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S87	637	S83 and S84 and S85 and S86	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S88	64	S82 and S87	US-PGPUB; USPAT	OR	ON	2006/09/15 14:25
S89	0	S88 and value\$2 and comprese and constellation	US-PGPUB; USPAT	OR	ON	2006/09/15 14:28
S90	0	S88 and comprese and constellation	US-PGPUB; USPAT	OR	ON	2006/09/15 14:28
S91	0	S88 and comprese\$3 and constellation\$3	US-PGPUB; USPAT	OR	ON	2006/09/15 14:28
S92	12	S88 and constellation\$3	US-PGPUB; USPAT	OR	ON	2006/09/15 14:38
S93	14265	S88 or constellation\$3	US-PGPUB; USPAT	OR	ON	2006/09/15 14:29
S94	2	US-1069722-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/15 14:51
S96	389337	metric near3 determine\$4 near3 extend\$4 estimat\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S97	7358	375/340 or 375/349 or 375/316	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11

EAST Search History

S98	25629	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S99	18148	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S100	3108	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S101	44275	first same second same estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S102	637	S98 and S99 and S100 and S101	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S103	64	S97 and S102	US-PGPUB; USPAT	OR	ON	2006/09/18 09:11
S104	64	S103	US-PGPUB; USPAT	OR	ON	2006/09/18 09:12
S105	389337	S104 and metric near3 determine\$4 near3 extend\$4 estimat\$4	US-PGPUB; USPAT	OR	ON	2006/09/18 09:12
S106	65	S104 or metric near3 determined near3 extended near estimate	US-PGPUB; USPAT	OR	ON	2006/09/19 13:18
S107	64	S104 or estimat\$4 near extend\$3 near constellation near points	US-PGPUB; USPAT	OR	ON	2006/09/18 09:35
S110	1	S106 and squared near euclidean near distance	US-PGPUB; USPAT	OR	ON	2006/09/18 10:00
S111	409	squared near euclidean near distance	US-PGPUB; USPAT	OR	ON	2006/09/19 14:08
S116	4	estimat\$3 with receiver with squared near euclidean near distance	US-PGPUB; USPAT	OR	ON	2006/09/18 15:06
S120	1	"20010022820"	US-PGPUB; USPAT	OR	ON	2006/09/18 15:06
S125	7391	375/340 or 375/349 or 375/316	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58
S126	25666	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58
S127	18171	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58
S128	3111	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58
S129	44341	first same second same estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58
S130	637	S126 and S127 and S128 and S129	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58
S131	64	S125 and S130	US-PGPUB; USPAT	OR	ON	2006/09/19 13:58

EAST Search History

S13 2	410	squared near euclidean near distance	US-PGPUB; USPAT	OR	ON	2006/09/19 14:20
S13 5	1	S132 near estimat\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:13
S14 1	119	S132 near between and estimat\$3 and receive\$3 and signal\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:15
S14 2	25666	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/20 14:32
S14 3	18171	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/20 14:32
S14 4	3111	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/20 14:32
S14 5	44341	first same second same estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/20 14:32
S14 6	637	S142 and S143 and S144 and S145	US-PGPUB; USPAT	OR	ON	2006/09/20 14:36
S14 7	410	squared near euclidean near distance	US-PGPUB; USPAT	OR	ON	2006/09/20 14:36
S14 8	119	S147 near between and estimat\$3 and receive\$3 and signal\$3	US-PGPUB; USPAT	OR	ON	2006/09/20 14:36
S14 9	119	S148	US-PGPUB; USPAT	OR	ON	2006/09/20 16:23
S15 0	0	processor\$4 near estimat\$4 near matrix near transfer near function near multiplie	US-PGPUB; USPAT	OR	ON	2006/09/20 16:12
S15 1	0	processor\$4 near estimat\$4 near matrix near transfer near function near multiplie near itself	US-PGPUB; USPAT	OR	ON	2006/09/20 16:12
S15 2	0	processor\$4 near estimat\$4 near matrix near transfer near impulse near inner	US-PGPUB; USPAT	OR	ON	2006/09/20 16:13
S15 3	0	matrix near impulse near inner	US-PGPUB; USPAT	OR	ON	2006/09/20 16:14
S15 5	97	inpulse near response	US-PGPUB; USPAT	OR	ON	2006/09/20 16:15
S15 6	249	squared near length	US-PGPUB; USPAT	OR	ON	2006/09/20 16:16
S15 7	495677	matrix	US-PGPUB; USPAT	OR	ON	2006/09/20 16:16
S15 8	2201	inner near function	US-PGPUB; USPAT	OR	ON	2006/09/20 16:17
S15 9	1000907	channel	US-PGPUB; USPAT	OR	ON	2006/09/20 16:17
S16 0	0	S155 and S156 and S157 and S158 and S159	US-PGPUB; USPAT	OR	ON	2006/09/20 16:17

EAST Search History

S16 1	1359821	S155 or S156 or S157 or S158 or S159	US-PGPUB; USPAT	OR	ON	2006/09/20 16:18
S16 2	50412	transfer near function	US-PGPUB; USPAT	OR	ON	2006/09/20 16:18
S16 3	26151	S161 and S162	US-PGPUB; USPAT	OR	ON	2006/09/20 16:19
S16 4	3265	S163 and "375"	US-PGPUB; USPAT	OR	ON	2006/09/20 16:19
S16 5	13	S163 and 375/340 and 375/349 and 375/316	US-PGPUB; USPAT	OR	ON	2006/09/20 16:20
S16 6	39	S148 and matrix	US-PGPUB; USPAT	OR	ON	2006/09/20 16:23
S16 7	13	S166 and transfer and function	US-PGPUB; USPAT	OR	ON	2006/09/20 16:24
S16 8	8	S167 and impulse near response	US-PGPUB; USPAT	OR	ON	2006/09/20 16:24
S16 9	1	matrix near square near transfer near function	US-PGPUB; USPAT	OR	ON	2006/09/21 07:52
S17 0	249	squared near length	US-PGPUB; USPAT	OR	ON	2006/09/21 07:53
S17 1	5546	inner near products	US-PGPUB; USPAT	OR	ON	2006/09/21 07:53
S17 2	1	S169 and S170 and S171	US-PGPUB; USPAT	OR	ON	2006/09/21 07:54
S17 3	1	S169 with S170 with S171	US-PGPUB; USPAT	OR	ON	2006/09/21 07:54
S17 4	5790	S169 or S170 or S171	US-PGPUB; USPAT	OR	ON	2006/09/21 07:59
S17 5	0	S169 near S170 near S171	US-PGPUB; USPAT	OR	ON	2006/09/21 07:59
S17 6	0	S169 adj S170 adj S171	US-PGPUB; USPAT	OR	ON	2006/09/21 08:00
S17 7	5	S170 and S171	US-PGPUB; USPAT	OR	ON	2006/09/21 08:03
S17 8	1	S169 and S177	US-PGPUB; USPAT	OR	ON	2006/09/21 08:03
S17 9	4	("20020198914" "5867539" "6122332" "6470047").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:14
S18 0	1	("6920194").URPN.	USPAT	OR	ON	2006/09/25 13:14
S18 1	25723	first near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/25 13:15

EAST Search History

S18 2	18205	second near4 estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/25 13:15
S18 3	3116	estimat\$5 near4 refin\$5	US-PGPUB; USPAT	OR	ON	2006/09/25 13:15
S18 4	44442	first same second same estimat\$5	US-PGPUB; USPAT	OR	ON	2006/09/25 13:15
S18 5	637	S181 and S182 and S183 and S184	US-PGPUB; USPAT	OR	ON	2006/09/25 13:15
S18 6	410	squared near euclidean near distance	US-PGPUB; USPAT	OR	ON	2006/09/25 13:17
S18 7	0	("(MIMO)and(receiv\$4)with(signal\$1)with(sameadjtime)").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/04 13:59
S18 8	0	(MIMO) and (receiv\$4) with (signal\$1) with (sameadjtime)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:00
S18 9	272	(MIMO) and (receiv\$4) same (signal\$1) same ("same" adj time)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:04
S19 0	169	(MIMO) and (receiv\$4) same (signal\$1) with ("same" adj time)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:05
S19 1	124	(MIMO) and (receiv\$4) with (signal\$1) with ("same" adj time)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:06
S19 2	13	(MIMO) with (receiv\$4) with (signal\$1) with ("same" adj time)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:07
S19 3	632	(MIMO) and (receiv\$4) same (signal\$1) same (simultaneously)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:33
S19 4	59	(MIMO) with (receiv\$4) with (signal\$1) with (simultaneously)	US-PGPUB; USPAT	OR	ON	2007/06/04 14:34
S19 5	1	"20050084044"	US-PGPUB; USPAT	OR	ON	2007/06/04 16:19